

METHOD AND SYSTEM FOR DESKEWING
PARALLEL BUS CHANNELS TO INCREASE
DATA TRANSFER RATES

Inventors: Ejaz Ul Haq, et al.
Attorney Docket No.: 44176.00036

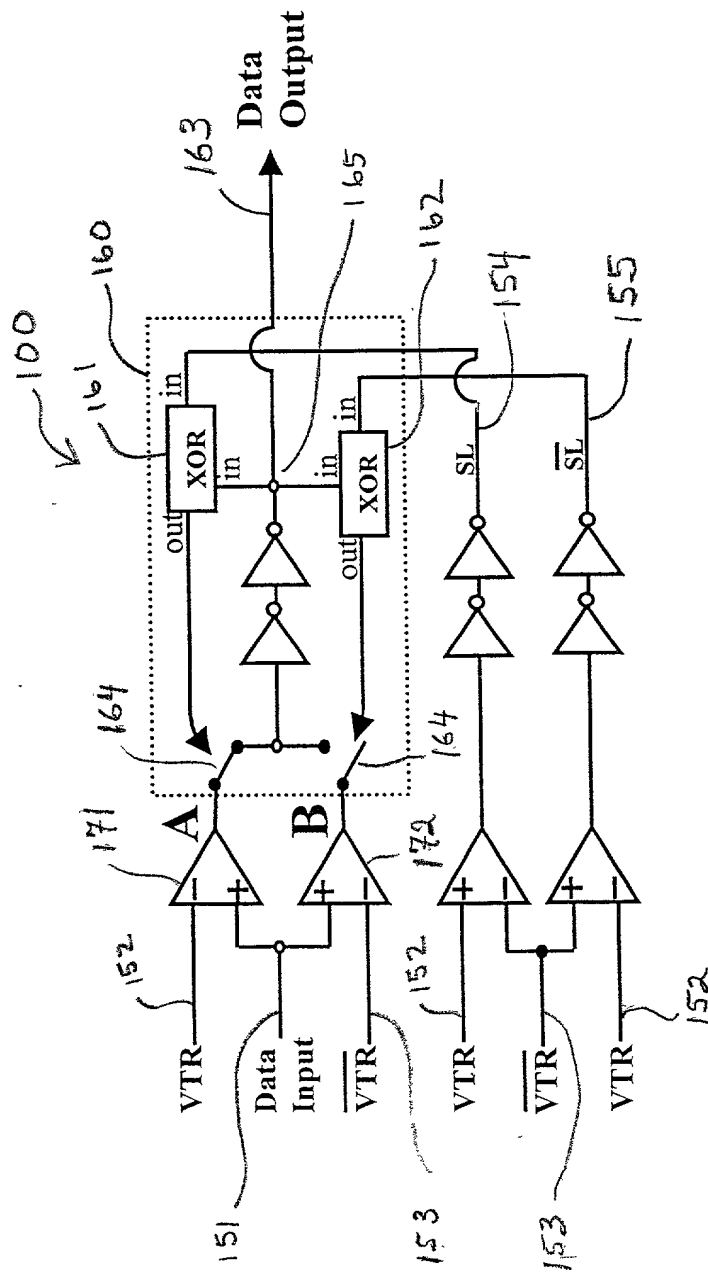


FIG. 1A

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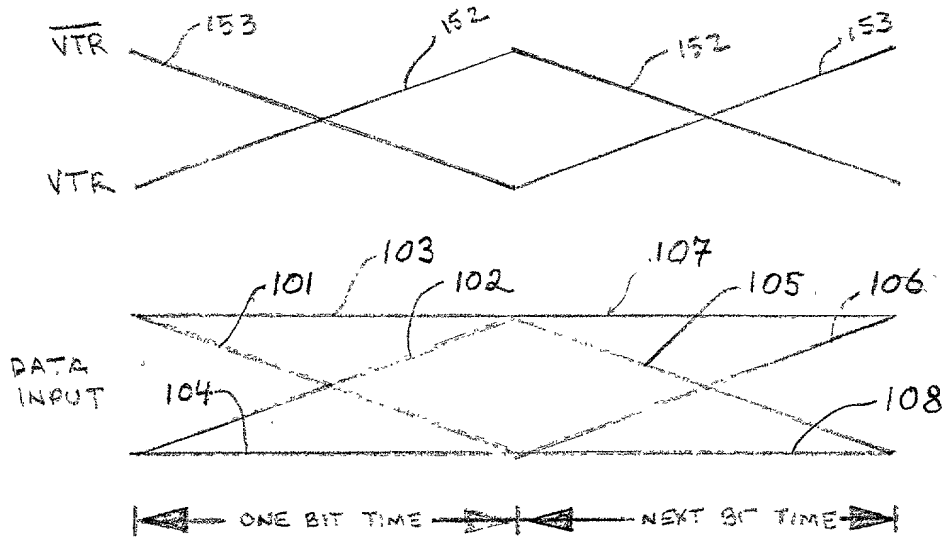


FIG. 1B

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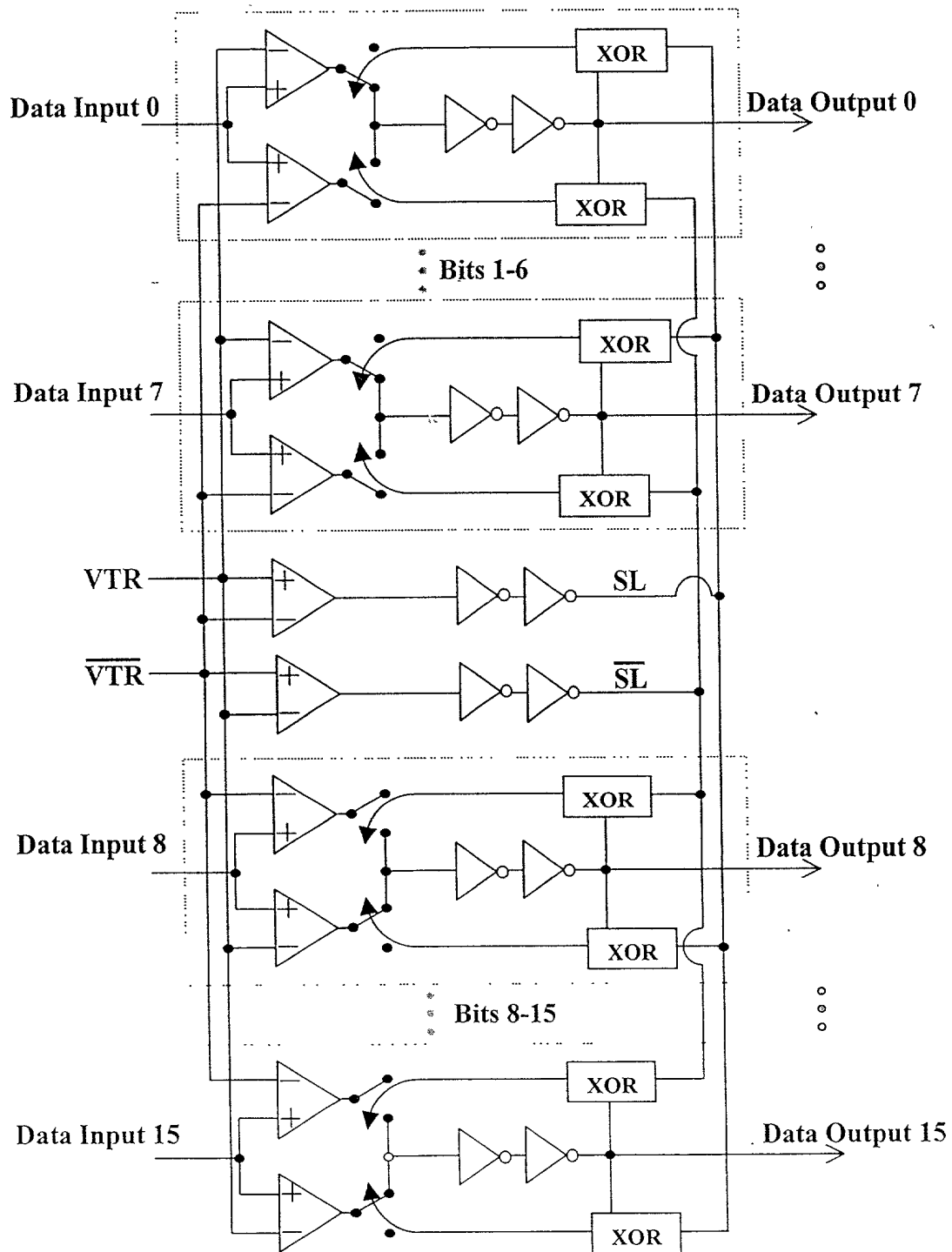


FIG. 2

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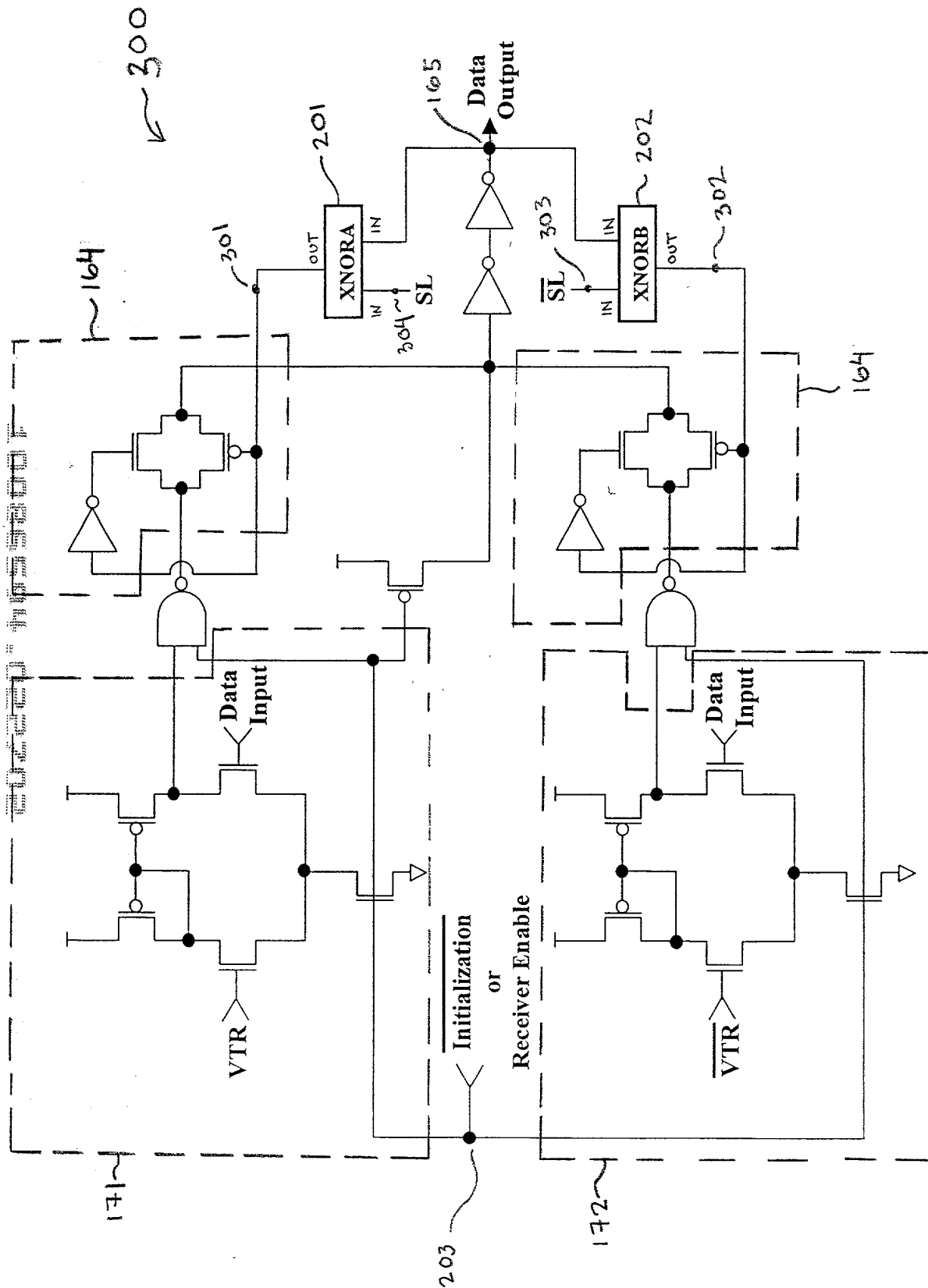


FIG. 3

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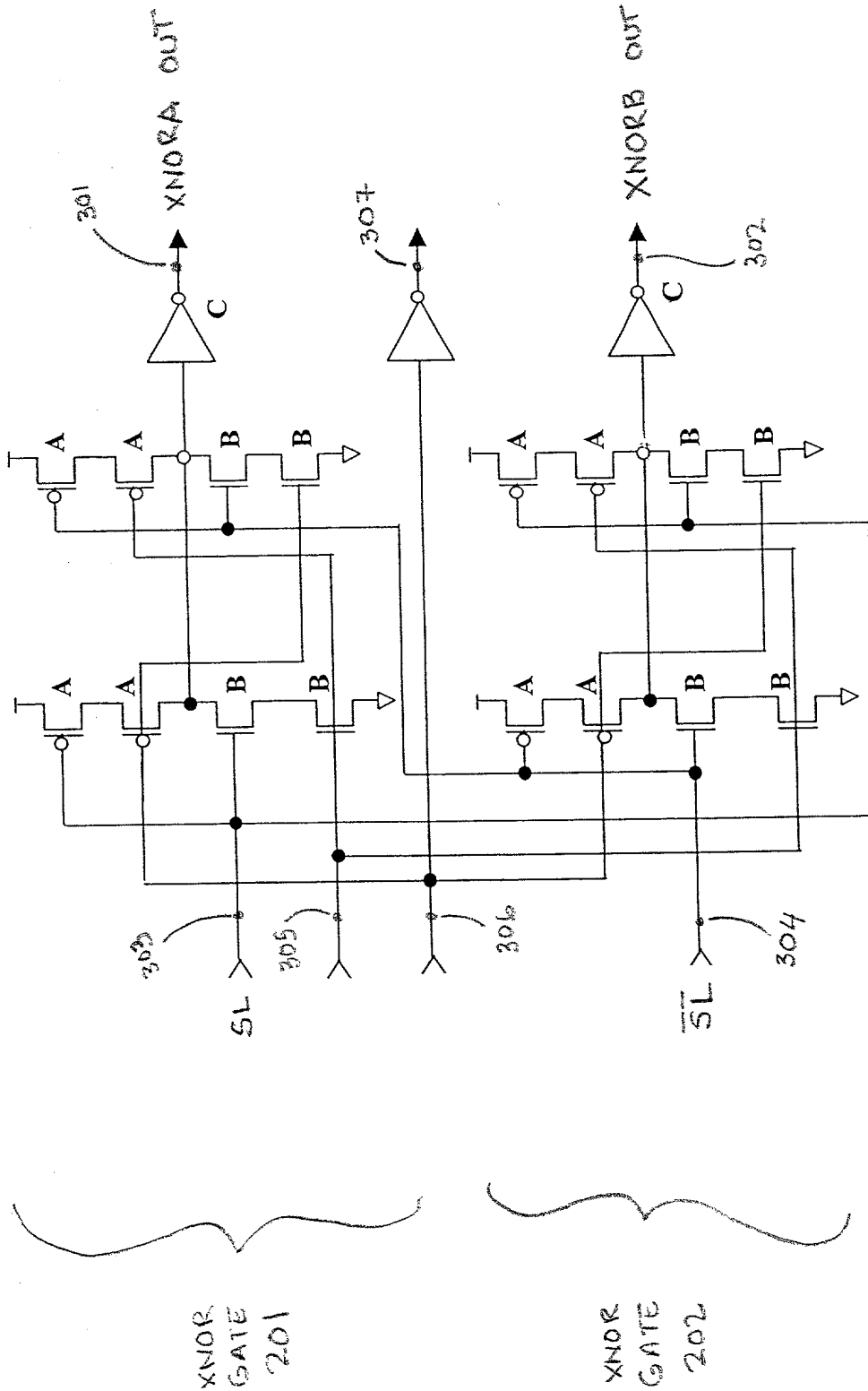


FIG. 4

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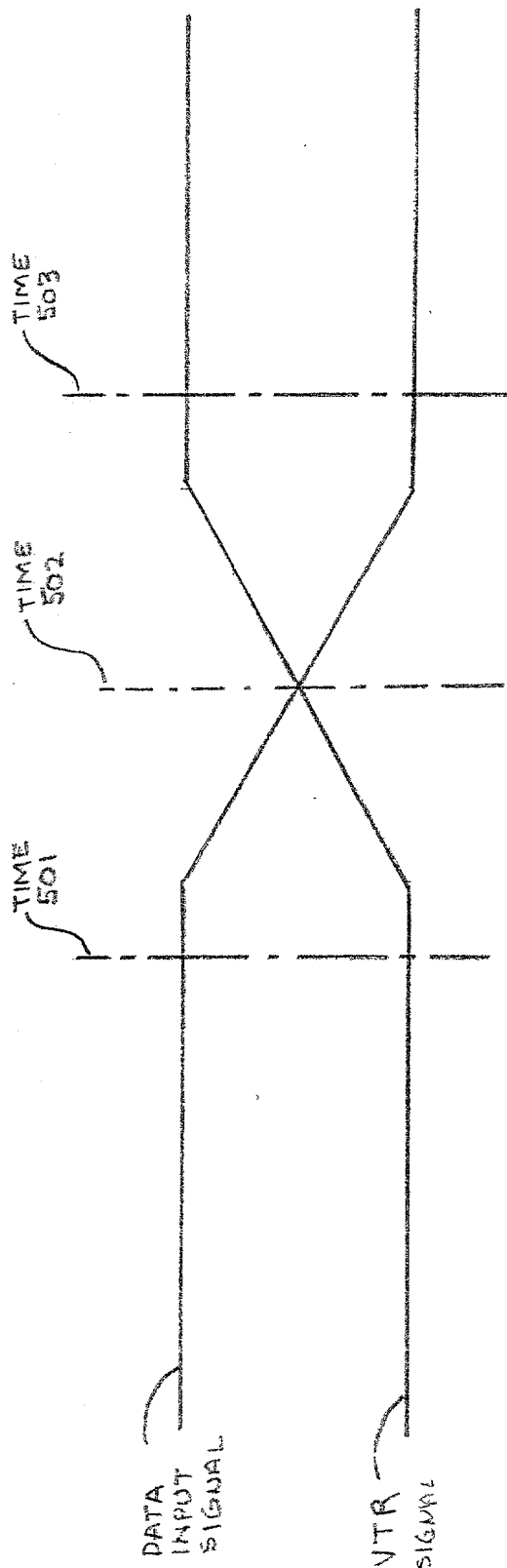


FIG. 5A

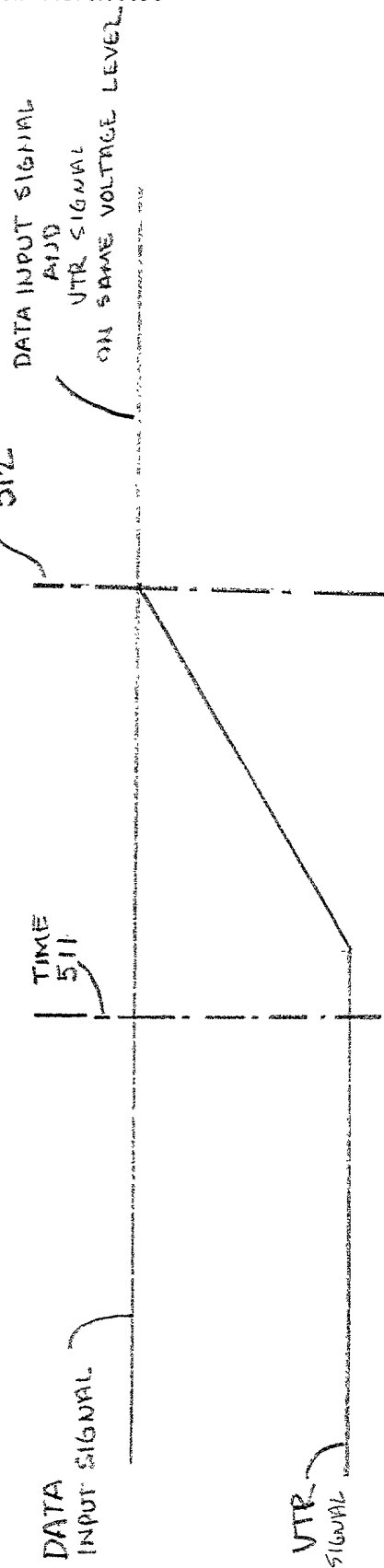


FIG. 5B

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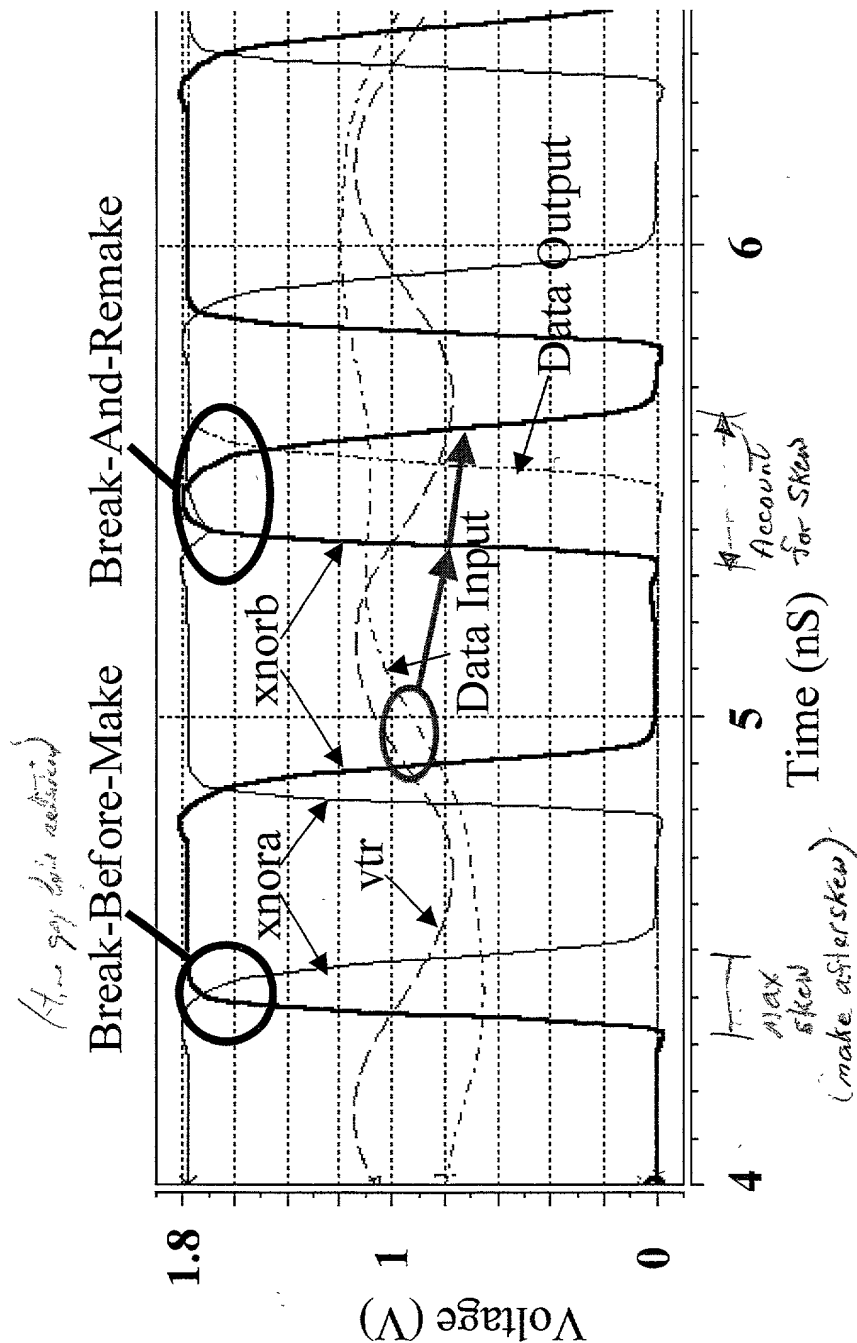


FIG. 5c
(Replacing xOR with xNOR)

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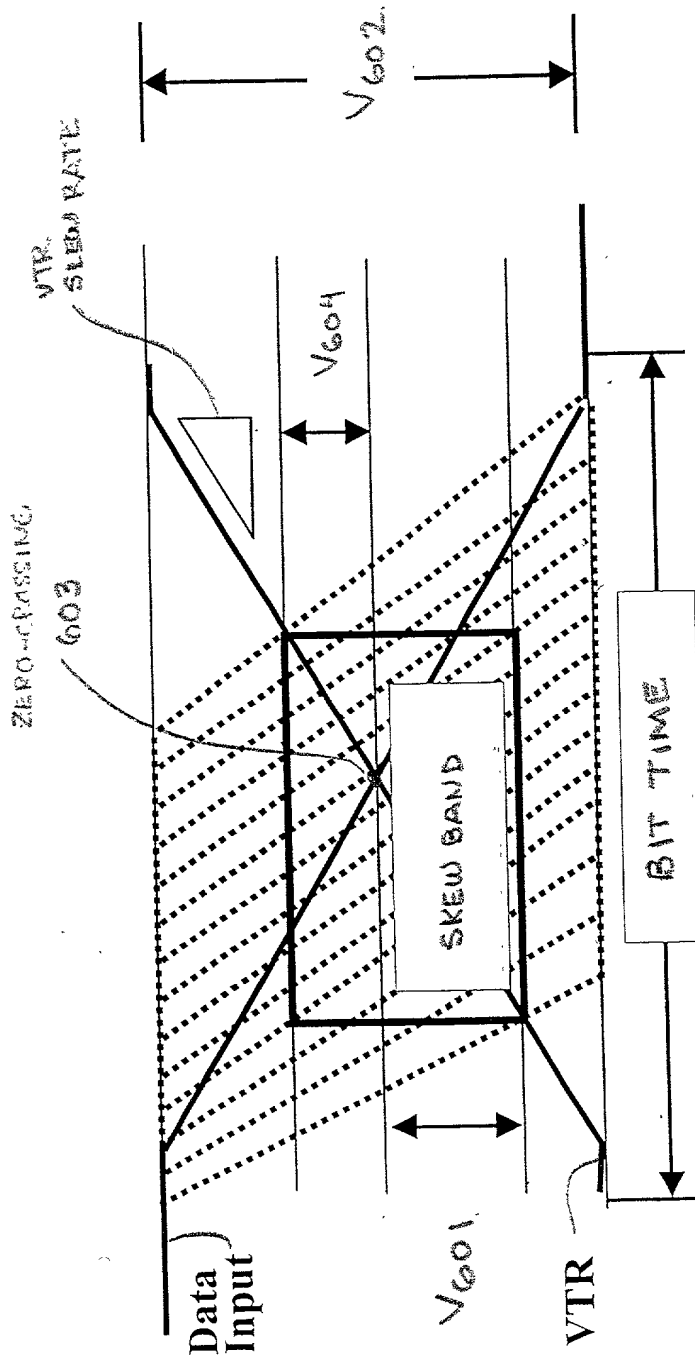


FIG. 6

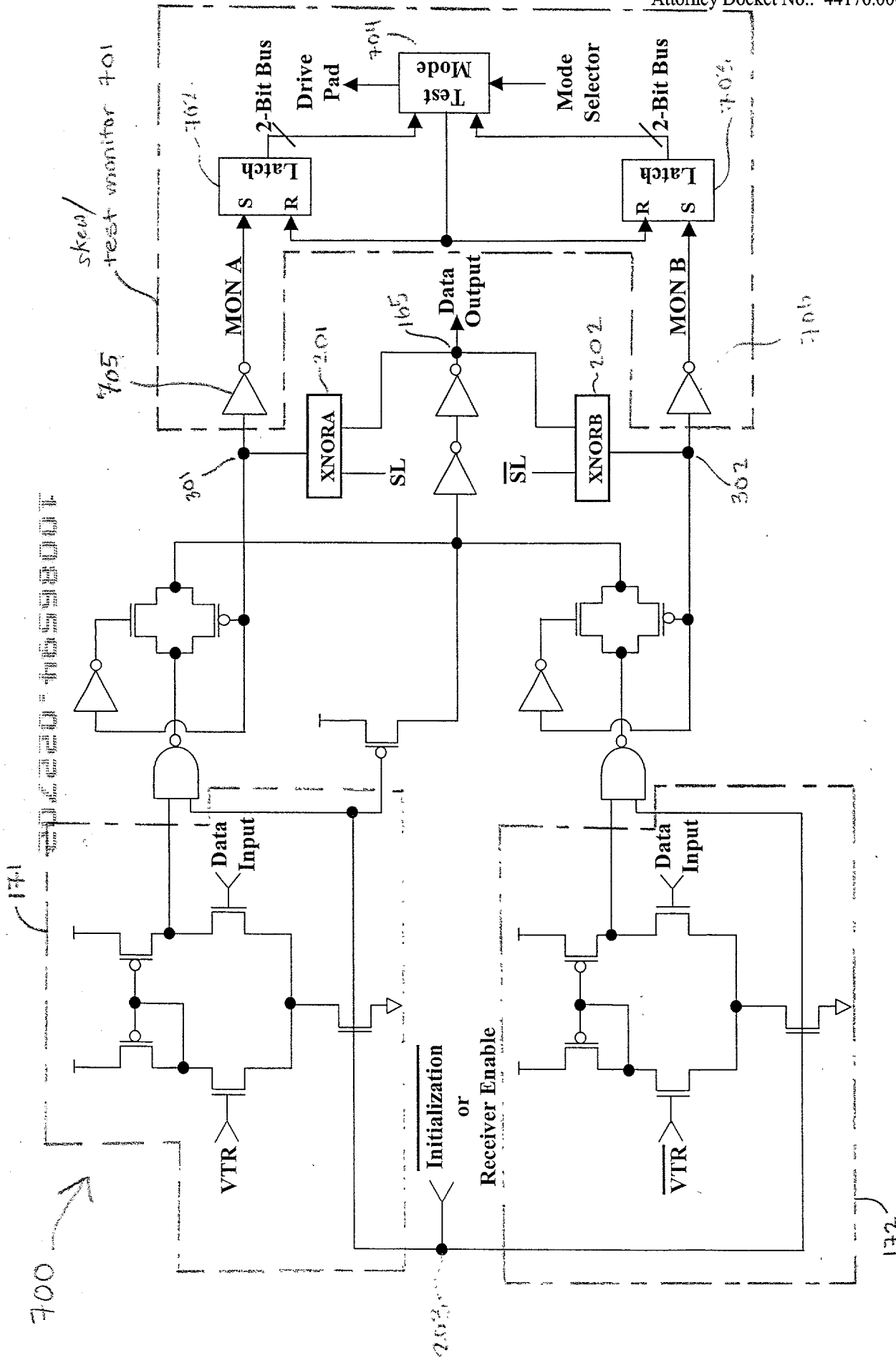


FIG. 7A

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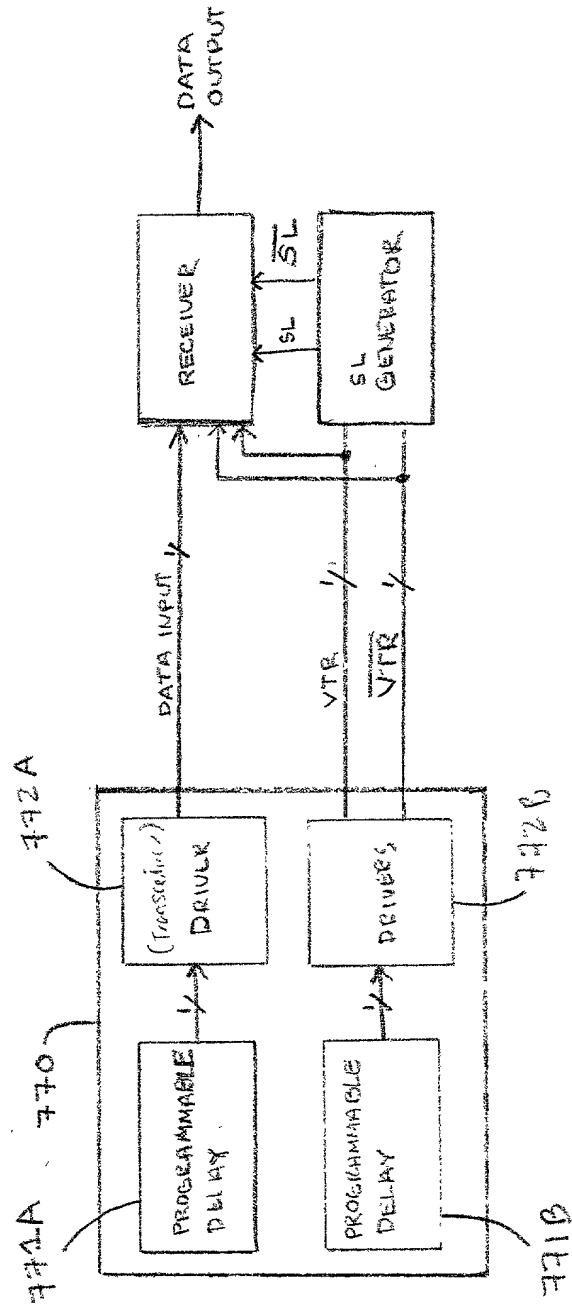
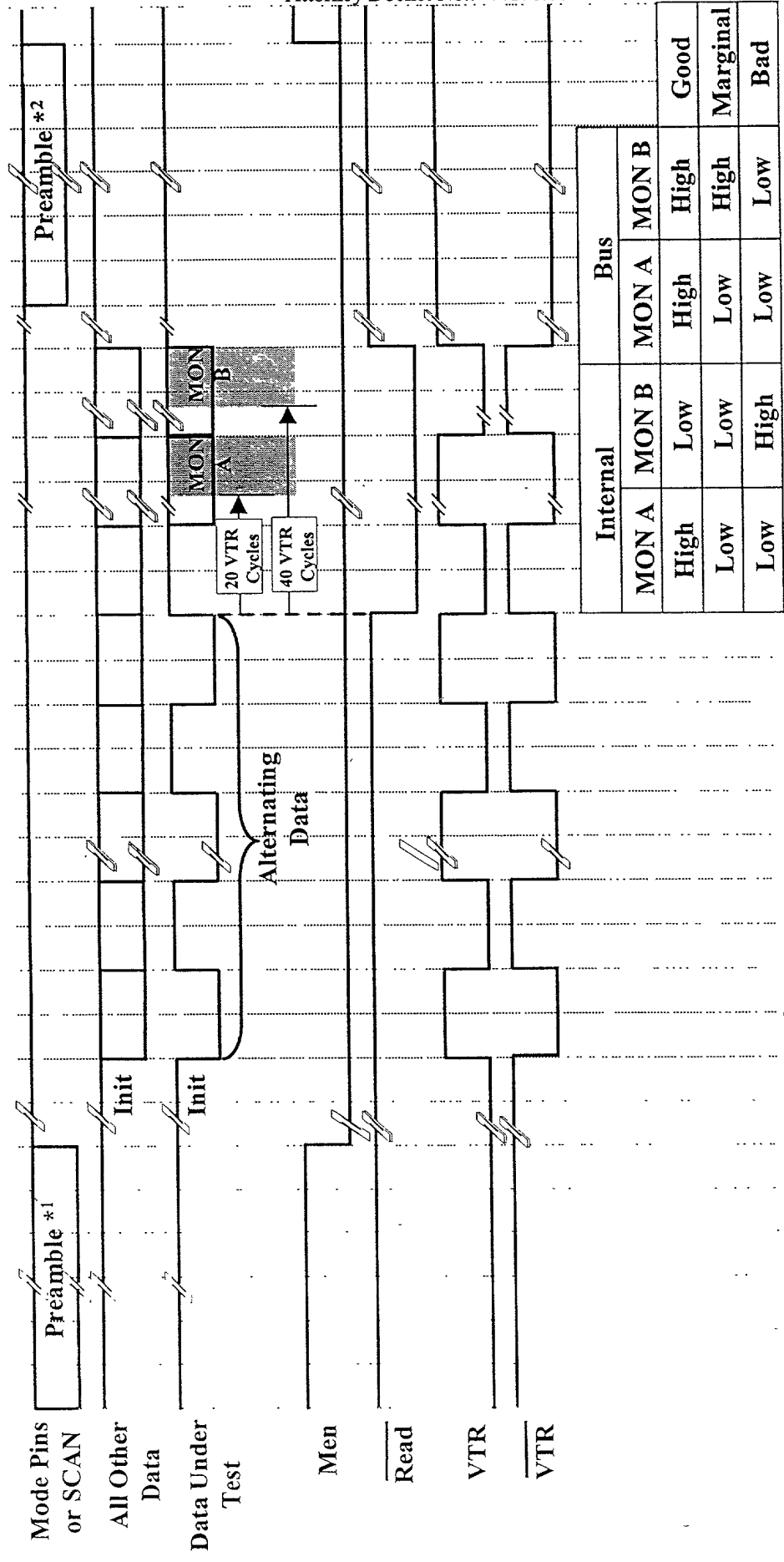


FIG. 7B

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Note *1: Preamble used to setup test mode

Note *2: Preamble used to setup next test mode, terminate test mode or set registers

FIG. 8A

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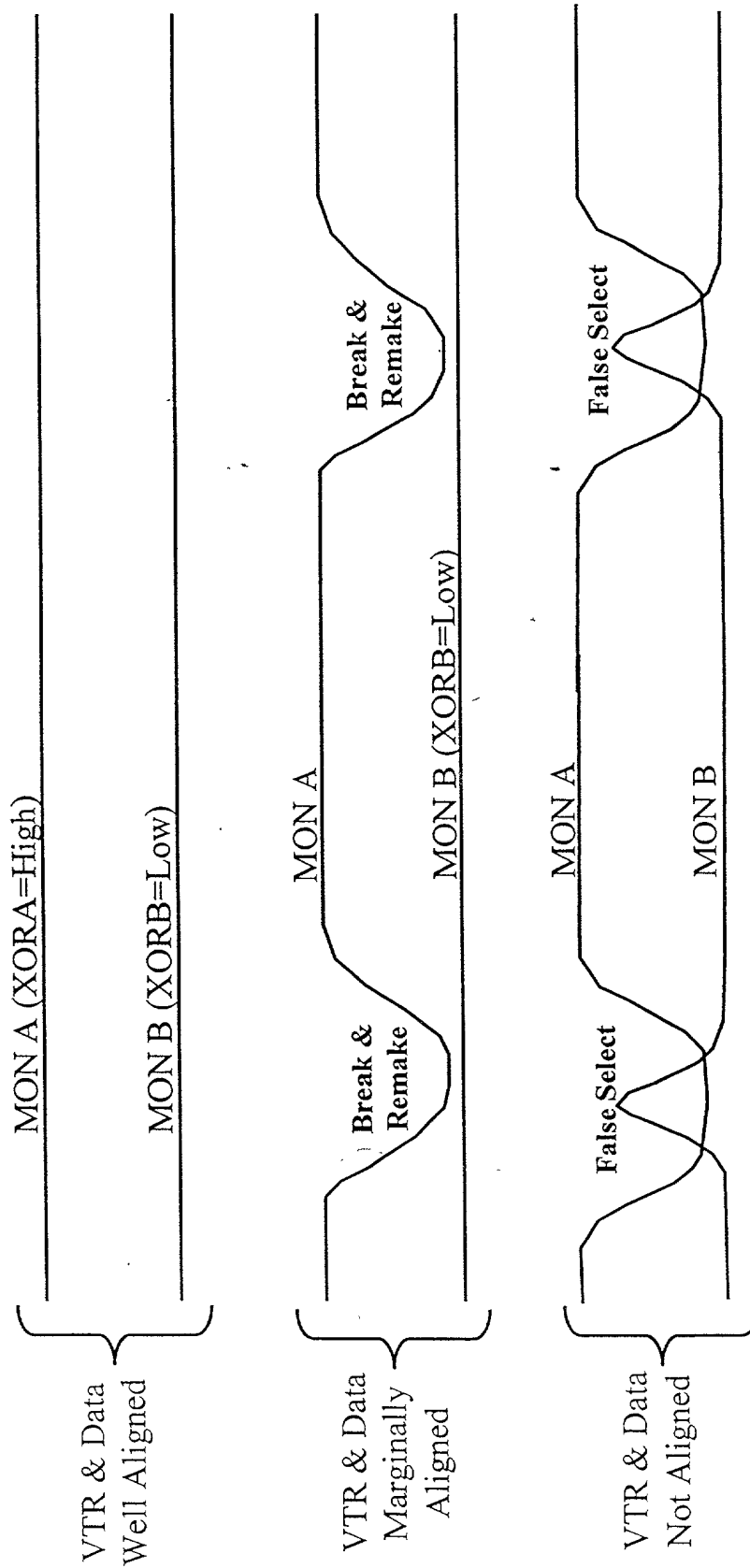


FIG. 8B

METHOD AND SYSTEM FOR DESKEWING
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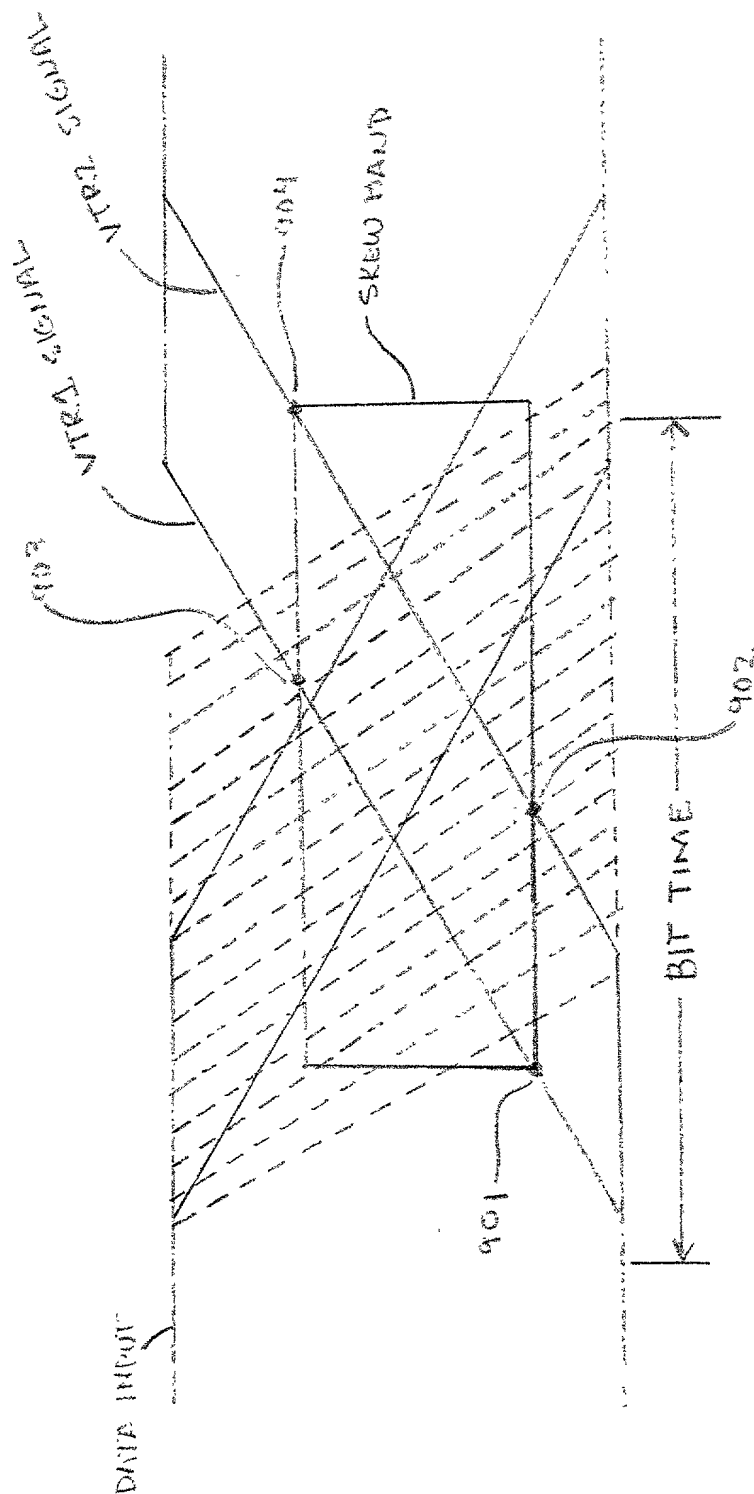


FIG. 9

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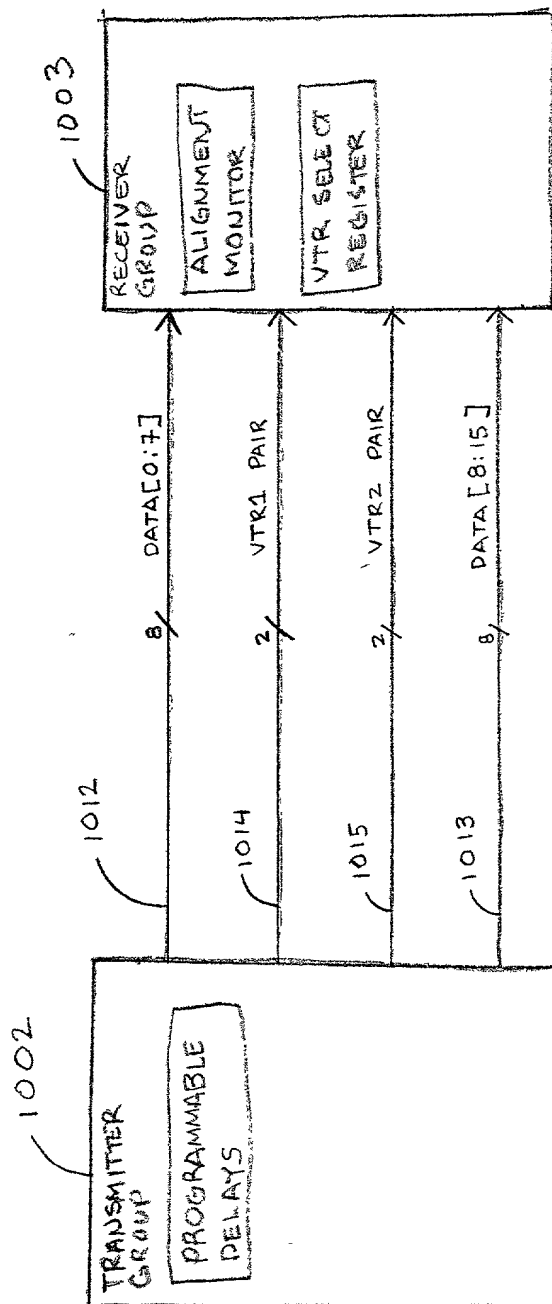


FIG. 10

METHOD AND SYSTEM FOR DESKEWING
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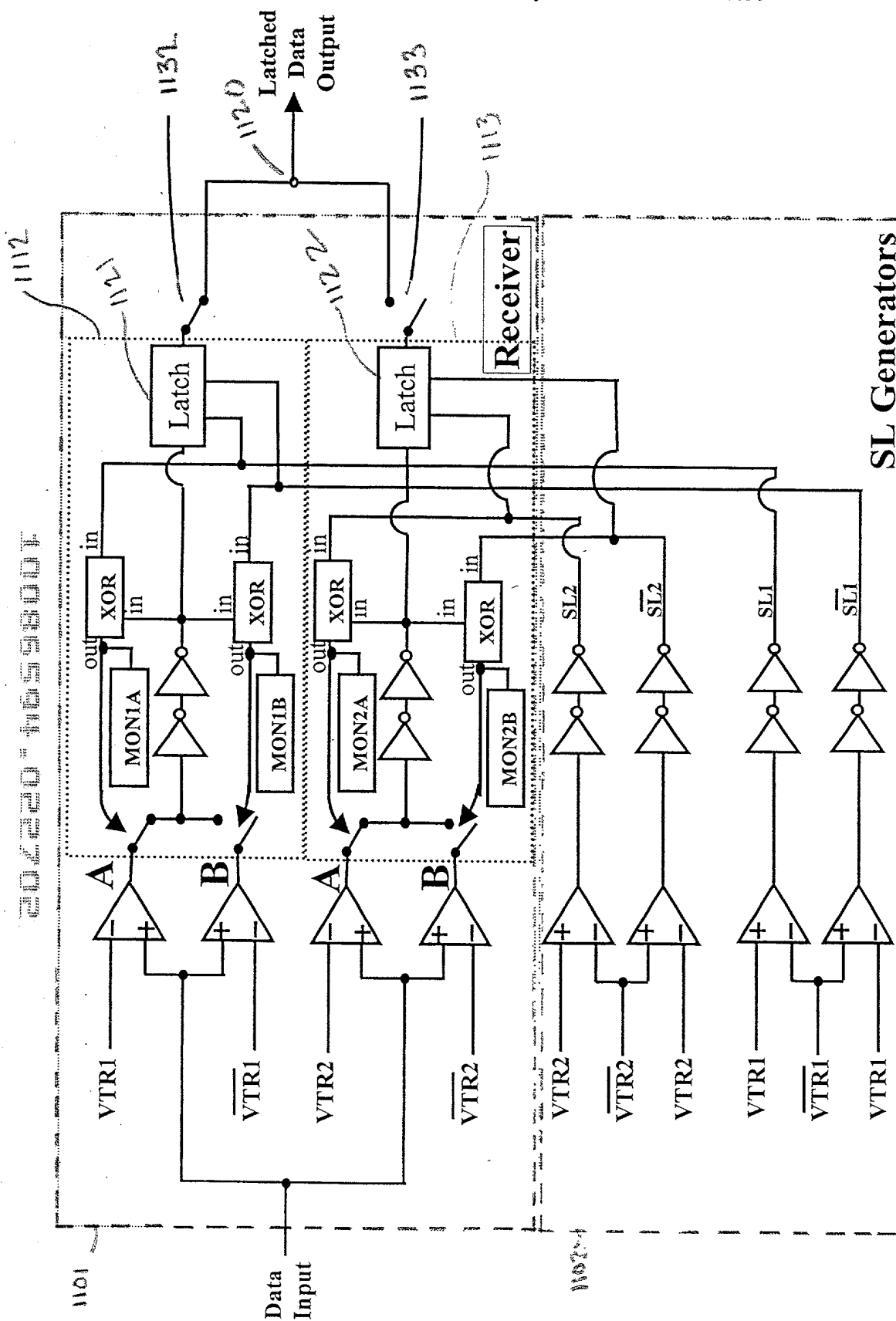


FIG. 11

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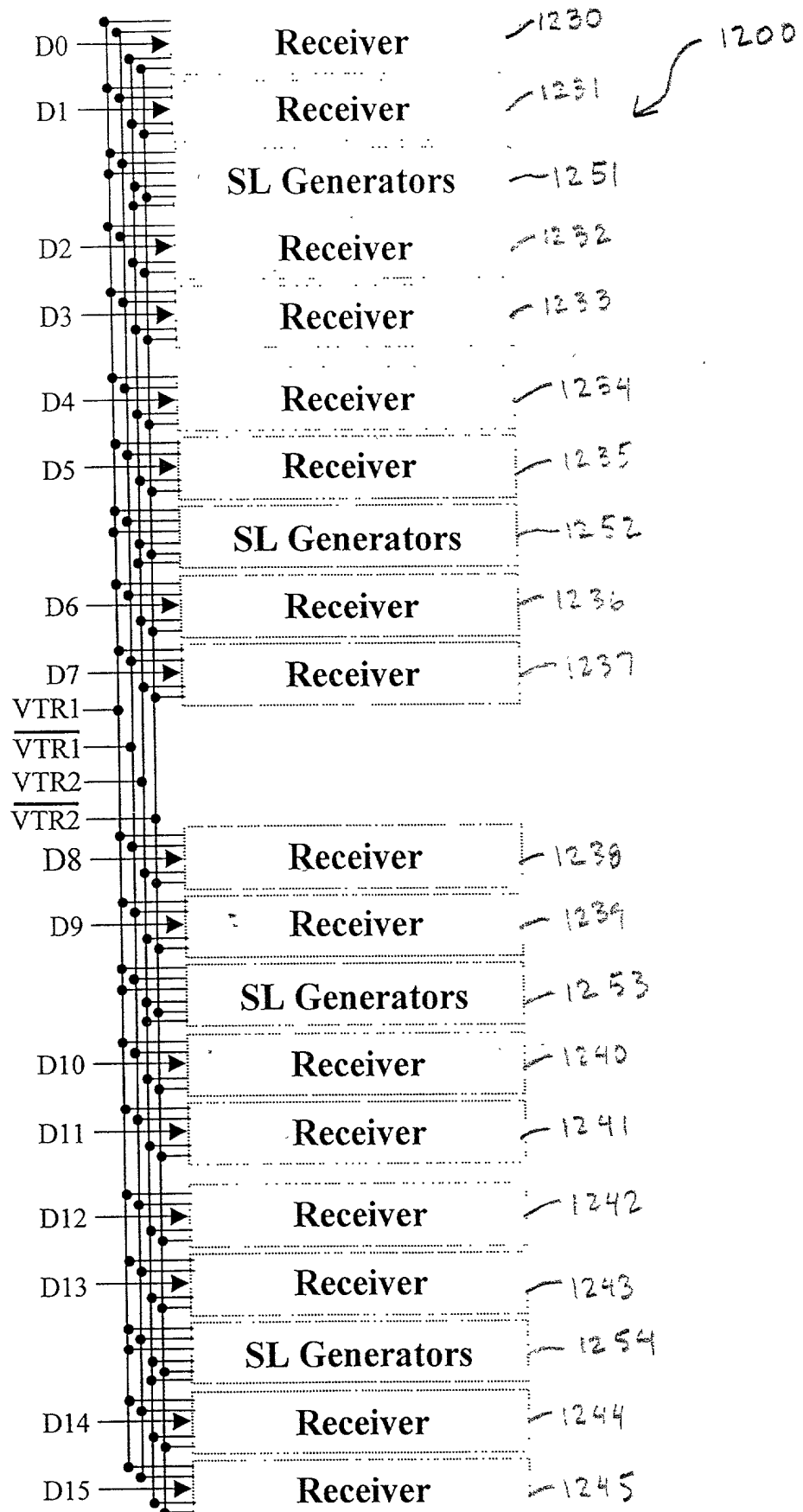


FIG. 12

1008554-02302

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Results

FIG. 13

[illegible]

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FIG. 14

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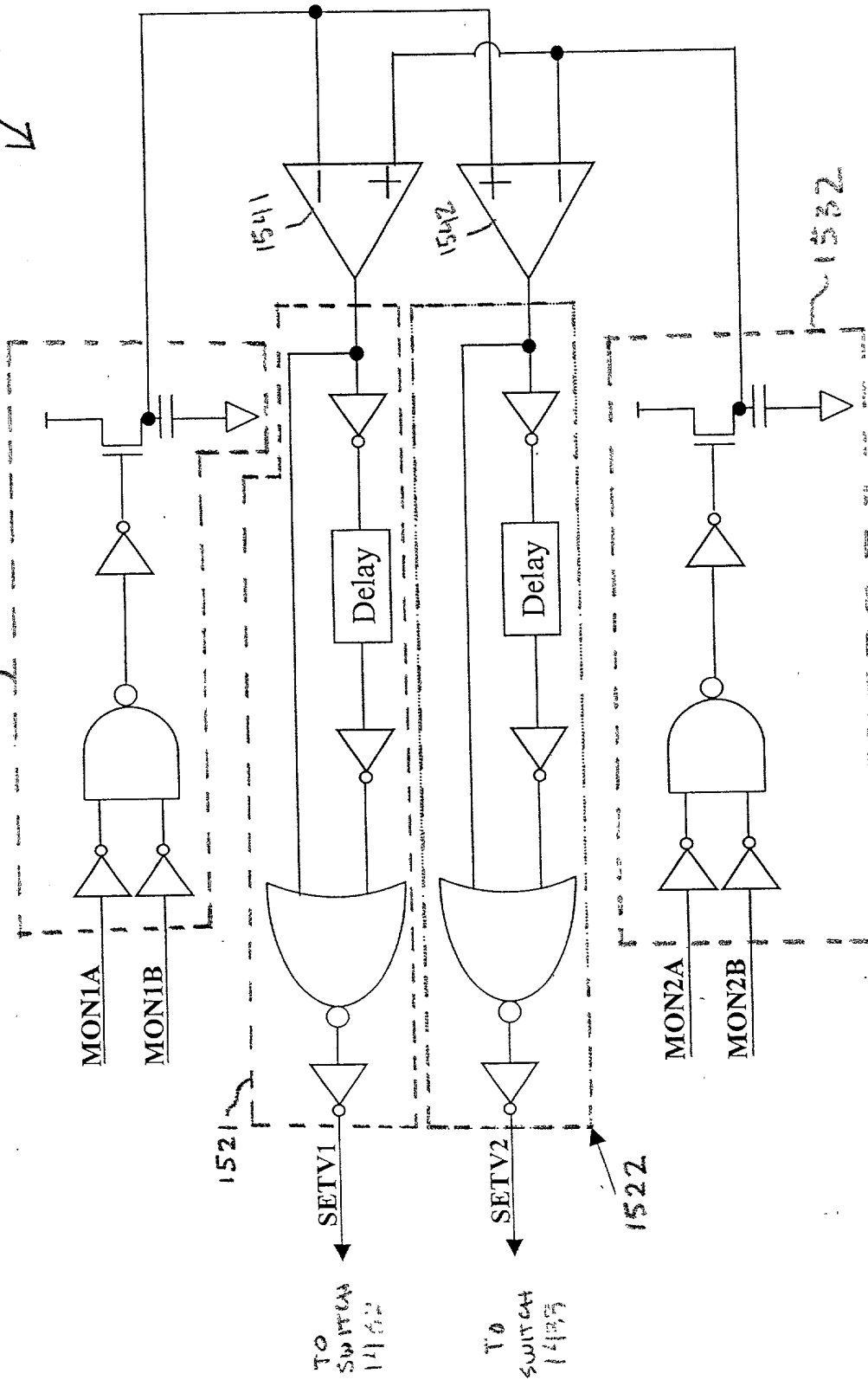


Fig. 15